Wireless Digital Video Doorbell

CL-3684

USER'S MANUAL

■ Technical Specification

Item	Detail
Indoor phone	
Receiving Frequency Range	2.400GHz～2.4835GHz
Monitor	2.4''Color LCD
Date Rate	2.0Mbps
Receiving Sensitivity	-90dBm
Demodulation Type	GFSK/FSK
Resolution	320 240(RGB)
Transmitting Power	19dBm(TYP)
Power Requirement	3 Ni-MH1.2V,800mAh
Power Consumption	450mA Max
Operating Temperature	-10℃～40℃
Operating Humidity	0%～85%RH
Weight	110g
Size(WXHXD)	Handset: 165 50 27mm Charger: 79 77 42mm
No. of outdoor phones supported	Max.4

✍ **Design and specifications are subject to change without notice.**

■ Prior To Use

Congratulations

...on purchasing our high quality product. Please read the manual carefully before installing your system and follow all of the directions to ensure proper installation.

Safety Precautions

To reduce the risk of electrical shock and injury, please follow these basic safety precautions before using the product.

1.Carefully read and observe the instructions in this manual.

2.Follow all warnings marked on the unit.

3.Must set the time and the date when replace batteries.

3.Unplug this product from the wall outlet before cleaning, then use a damp cloth to wipe. Do not use liquid or aerosol cleaners.

4.Do not place objects on the line cord that may cause damage.

5.Do not place the Outdoor phone near the metal.

6.Pay attention to the polarity of the batteries, insert the rechargeable batteries in accordance with polarity symbols (this instruction is found in the installing batteries section.)

7.Keep out of the reach of children.

8.Use only in the described manner.

9.Stop using if it becomes damaged.

Introduction

- Supports up to 4 outdoor units
- 2.4" (320x240) QVGA LCD display
- Video resolution: 320 x 240, with 25pics per second
- Wide angle lens and LED for night vision
- Long standby doorbell (battery up to 2 years or connect with DC+9～12V)
- Water-proof outdoor station Ip55
- Microphone and speakerphone
- Brightness and talk volume are adjustable
- Crystal sound quality
- Transmitting distance : with up to 200m range out of doors
- Transmitting distance : with up to 50m range indoors
- Remote door opening (Optional)
- DIY installation to save high labor cost

Technical Specification

Item	Detail
Outdoor phone	
Transmit Frequency Range	2.400GHz～2.4835GHz
Date Rate	2.0Mbps
Transmitting Power	19dBm (TYP)
Modulation Type	GFSK/FSK
Transmitting Distance	Outdoor:200m, Indoor:50m
Image Sensor Type	1/4″ Color CMOS Image Sensor
Effective Pixels	H:320 V:240
Image Processing	Motion JPEG
Image Resolution / Frame Rate	H:320 V :240 / 25fps
White Balance	Auto
Lens	4.9mm / F2.8
Viewing Angle (Diagonal)	50
Minimum Illumination	1 LUX (without LED illumination)
LED	6 LEDs
Power Requirement	+9～12V DC +-5% /2 LR14(C) ,1.5V batteries
Power Consumption	500mA Max (cells), 400mA Max (+12V DC)
Operating Temperature	-30℃～40℃
Operating Humidity	0%～85%RH
Weight	166g
Size(WXHXD)	185 68 50mm

Engineering Mode

Delete the Usege Mode

1.Press and hold the [🔑] and [—] beneath **Menu** at the same time about 5 seconds in standby mode, then the display will show as follow:

Registration
Cleared !

2.After 5 seconds, it will exit automatically.

Change the Unlock Time

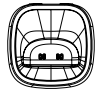
1.press and hold the [📞] and [🔑] beneath **Menu** at the same time about 5 seconds in standby mode, then the display will show as follow:

Unlock Time
1# 5 S

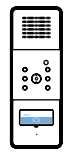
2.Press **Left** [<] or **Right** [>] to select the Outdoor phone.
3.Press **Up** [^] or **Down** [v] to select the unlock time(1-25 are selectable), then press the **Right** soft key [—] to confirm, the display will show **SAVE OK**.
4.After 5 seconds, it will exit automatically.

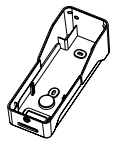
Unpacking

Once you have unpacked your product, make sure that all the parts shown below are available. If any pieces are missing or broken, please promptly call your dealer.


Indoor phone (Charger)

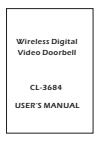
Indoor phone (Handset)


Outdoor phone


Rain Cover

3 AAA Ni-MH batteries

Adapter (7.5V, 300mA)



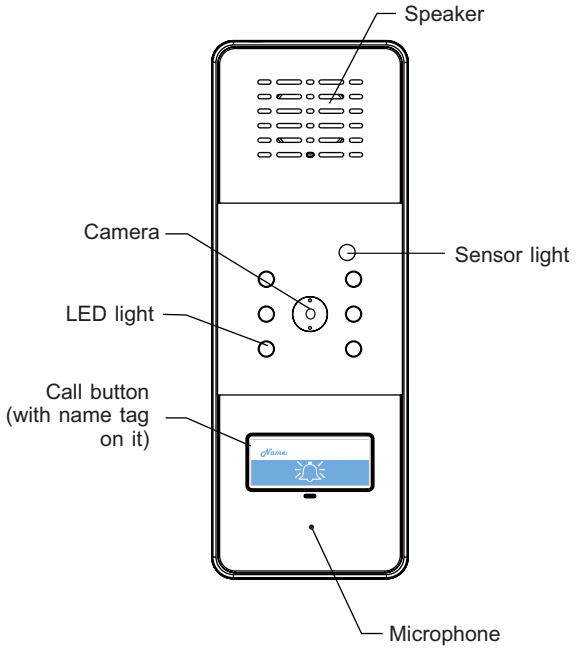
User' s Manual

Outdoor phone rear cover

Screws

Layout

Outdoor Phone



Menu Description (continued)

Chapter 6: Snap Show

The pictures will store in this menu, you can save or delete them. On the upper left of the picture will display the corresponding Outdoor phone's number.

1.Press beneath **Menu** to display the main menu items.

2.Press **Up** or **Down** to choose , then press beneath **Select**.

3.Press **Left** or **Right** to browse pictures.

4.If you want to delete the current pictures, use **Left** or **Right** to choose **Delete**, press the beneath **Del**. The display will show **Delete?**, Press beneath **Yes** to confirm. After a beep the LCD shows the next picture.

5.Press beneath **Back** to return to the previous menu.

Chapter 7:Default Setting

This function allows you to reset the handset settings to the factory default.

1.Press beneath **Menu** to display the main menu items.

2.Press **Up** or **Down** to choose , then press beneath **Select**.

3.Press **Up** or **Down** to choose **YES** or **NO** to enable or disable the function.

4.Press beneath **Select** to save the settings and return to the previous menu.

Result: After resetting, the handset will return to standby mode.

Note:

- *If you reset the handset to the factory default, all of the settings will return to the factory default.*

■ Menu Description (continued)

Chapter 4: Key Tone

Every time you press a key, your handset acknowledges it with a key tone. You can disable the key tones for a silent use. In certain error conditions, a warning tone will sound when an incorrect key is pressed.

1.Press beneath **Menu** to display the main menu items.

2.Press **Up** or **Down** to choose ,then press beneath **Select**.

3.Press **Up** or **Down** to choose **On** or **Off** to enable or disable the function.

4.Press beneath **Select** to save the settings and return to the previous menu.

Chapter 5: Snap Setting

This function allows you to set auto snap or not. If the **Auto Snap** is selected **On**, the handset will take pictures automatically during the conversation or the monitoring.

1.Press beneath **Menu** to display the main menu items.

2.Press Up or Down to choose ,then press beneath **Select**.

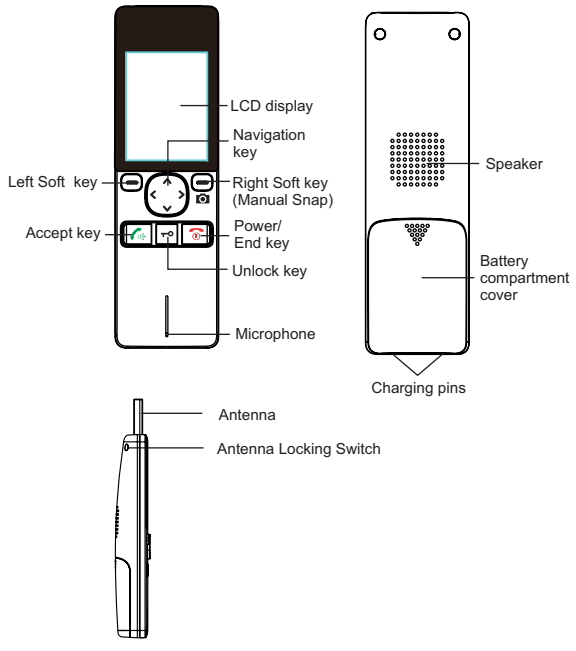
3.Press **Up** or **Down** to choose **On** or **Off** to enable or disable the function.

4.Press beneath **Select** to save the settings and return to the previous menu.

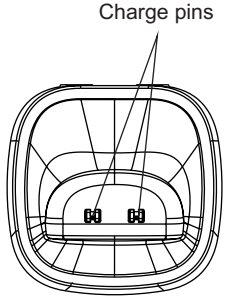
Note:

- *Also, you can use **Snap** key to take photos manually.*

Indoor Phone



Indoor Charger

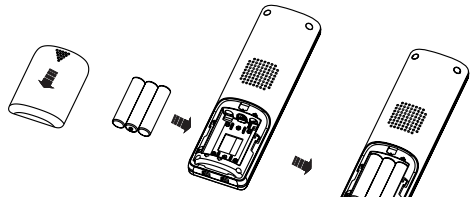


■ Installing Batteries

Indoor phone

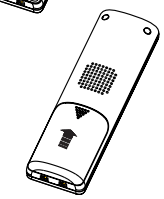
The rechargeable Ni-MH batteries (AAA size, 1.2V, 800mAh) come with your phone. Install the batteries before use.

1.



2. Insert new batteries as indicated, matching correct polarity(+,-).

3. To replace the battery cover, slide the cover up until it snaps in place.



Notes:

- *Reversing the orientation may damage the handset.*
- *The batteries need to be replaced if they do not recover their full storage capacities after recharging.*
- *When replacing the batteries, always use good quality Ni-MH re-chargeable batteries. Never use other batteries or conventional alkaline batteries.*

■ Menu Description

Chapter2: Volume

This function allows you to adjust the volume (9 levels are adjustable) during a call.

1.Press beneath **Menu** to display the main menu items.

2.Press **Up** or **Down** to choose then press beneath **Select**.

3.Press **Left** or **Right** to select the volume that you like. Each time you press **Left** or **Right** , the handset sounds with the selected volume.

4.Press beneath **Back** to save the settings and return to the previous menu.

Note:

- *Also, you can use **Left** or **Right** key to adjust the volume in the standby mode.*

Chapter3: Brightness

This function allows you to adjust the light level (9 levels are adjustable).

1.Press beneath **Menu** to display the main menu items.

2.Press **Up** or **Down** to choose , then press beneath **Select**.

3.Press **Left** or **Right** to select the light level that you like. Each time you press **Left** or **Right** , the handset displays with the selected light level.

4.Press beneath **Back** to save the settings and return to the previous menu.

Note:

- *Also, you can use **Up** or **Down** key to adjust the light level in the standby mode.*

■ Menu Description (continued)

Chapter 1:Date&Time

1.Press ⊖ beneath **Menu** to display the main menu items.

2.Press **Up** [^] or **Down** [v] to choose , then press ⊖ beneath **Select**.

3.If you want to set the time, you can press **Left** [<] or **Right** [>] to choose the **Hour** or the **Minute**, and press the **Up** [^] or **Down** [v] to adjust.

4.If you want to select the date, you can press **Left** [<] or **Right** [>] to choose the **Year** or the **Month** or the **Date** , and press the **Up** [^] or **Down** [v] to adjust.

5.Press ⊖ beneath **Back** to return to the previous menu.

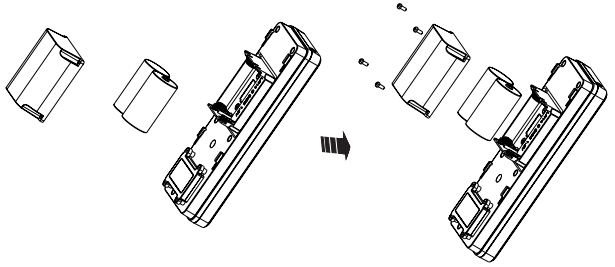
Notes:

- *The time format is 24-hour format and the date format is YY-MM-DD.*
- *The **Date&Time** must be set beforehand to ensure that the time displayed on the monitoring pictures are correct.*
- *When you replace batteries, you must set the time and the date again.*
- *The **Date&Time** setting order is **Hour** -> **Minute** -> **Year** -> **Month** -> **Date**.*

Outdoor phone

1.Install two C size batteries (not supplied) into the battery compartment.

2.Drill four screws to fix the battery cover up.



■ Charging Handset

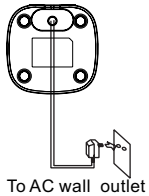
***! Important Note**: Before initial operation, **YOU SHOULD FULLY CHARGE THE HANDSET** for about **15** hours.*

To charge the handset, you should place it on the charger.

■ Installation Instruction

Indoor phone

Connect the modular end of the AC power adapter to the power jack of the charger, then plug the AC adapter into a standard AC wall outlet.



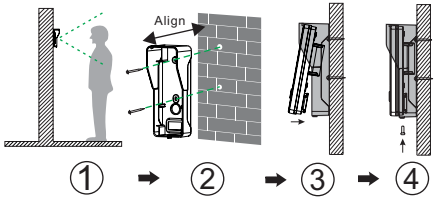
Outdoor phone

1.Choose a proper location for the outdoor phone. Be sure to consider the average height of visitors.

2.Align the rain cover and screws with the holes in the wall.

3.Install the outdoor phone into the rain cover. Please refer to the picture 3 below.

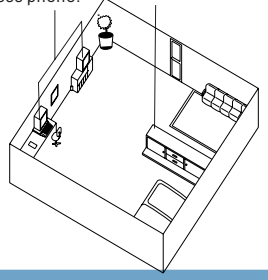
4.Drill a screw to fix and finish the installation.



Notes:

Away from electrical appliances, such as a TV, personal computer or another cordless phone.

In a HIGH and CENTRAL location with no obstructions such as walls, microwave oven and WIFI.



Slide the antenna locking switch to unlocking position，the receiver antenna will pop up to receive better signal.

■ Operations

Calling Indoor phone

In standby mode, press the **Call** button on the Outdoor phone. The corresponding indoor phone rings, and the image of the visitor appears on the LCD of the indoor phone.

1. If the master does not want to answer, press [ ] to cancel the ringer and the video.
2. After the master press [ ] , the indoor phone will stop ringing. Then the conversation starts.
3. Press [ ] to end the conversation.

Notes:

- *The conversation can be up to 2 minutes. After 2 minutes, the line will be disconnected automatically.*
- *The monitor process can be up to 5 minutes. After 5 minutes, the indoor phone will quit monitor mode automatically.*

Unlocking

During a conversation, to unlock the door, press [ ] on the Outdoor phone.

Light Sensor

In the evening, when someone presses the **Call** button on the Outdoor phone, all the LED lights will light on.

■ Operations

Monitor

About the monitor function , the LCD will automatically display the corresponding menu according to the registered Outdoor phones.

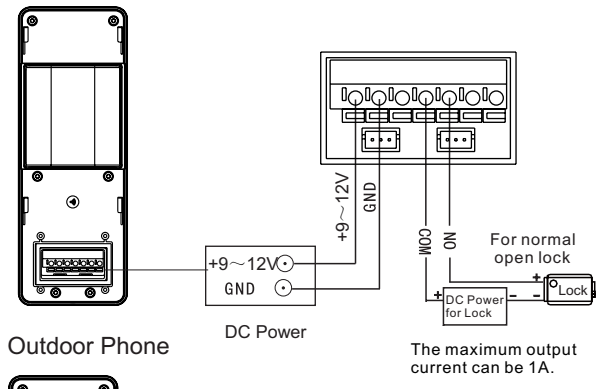
1.In the standby mode, press ⊖ beneath **Mon**.

2.When registers one Outdoor phone, the LCD will display 1# Outdoor phone.

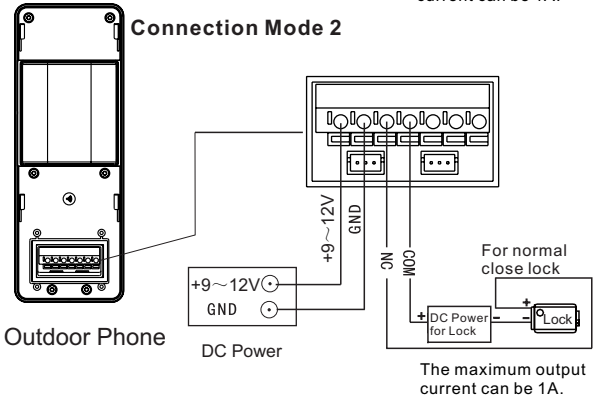
2.When registers two or more Outdoor phones, the LCD will display 1# , 2# ...Monitor(Pictures below) ,and you can press **Up** ^ or **Down** v to choose the monitor which you need, then press ⊖ beneath **Select**.

■ Diagram

Connection Mode 1



Connection Mode 2



Note:

- *Both the batteries and the power supply are available, but not to use them at the same. To support some special functions, like monitoring, backlight, on the call button and unlocking, please connect the power supply.*

■ Operations

Turning On / Off

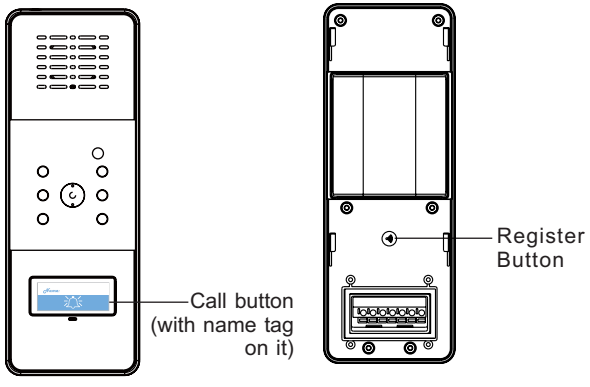
To turn the indoor phone on, press .

To turn the indoor phone off, press .

Register

First, press the **Call** button of the Outdoor phone , then hold the **Register** key on the back of the Outdoor phone until the LED light blinks. Second, press beneath **Menu** on the Indoor phone, then select the **Register** menu. Once a prompt tone is heard, the Outdoor phone has been registered to the Indoor phone successfully.

If twice prompts tones is heard the registration, the registration was unsuccessful, turn off the Indoor phone and remove the batteries from the Outdoor phone before you hold the **Register** key. Then turn on the Indoor phone again, re-install the Outdoor phone's batteries and try again.



■ Operations

Register(Continued)

The Indoor phone can support up to 4 Outdoor phones.

1.When you have registered one Outdoor phone, the register interface will display as follow:

2.When you have registered 4 Outdoor phones, the register interface will display as follow: